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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,474	07/09/2003	David E. Pitcher	PITCHER-1	9612
7590 07/22/2005		EXAMINER		
Donald N. Halgren			WONG, STEVEN B	
35 Central Stree			L DT LD LT	DADED MINADED
Manchester, MA 01944			ART UNIT	PAPER NUMBER
			3711	
			DATE MAIL ED: 07/22/2000	•

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/616,474	PITCHER, DAVID E.				
Office Action Summary	Examiner	Art Unit				
	Steven Wong	3711				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from t, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 31 Ja	anuary 2005.					
_	action is non-final.					
	<u>,</u>					
Disposition of Claims						
4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) 1-9 is/are objected to. 8) Claim(s) are subject to restriction and/o						
Application Papers						
9)⊠ The specification is objected to by the Examine	er.					
10)⊠ The drawing(s) filed on <u>09 July 2003</u> is/are: a)	☑ The drawing(s) filed on <u>09 July 2003</u> is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	∍ 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex		' ·				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on Noed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate atent Application (PTO-152)				

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Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: element 54 (page 16, line 17). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities: page 9, lines 18 and 19, the language "tetrahedral" is repeated.

Page 18, lines 1-5 are unclear. Lines 2 and 3 state "under the outermost retaining edges 52 of the octahedral outer edge member 32", however, element 52 is in Figure 4 and element 32 is in Figure 3.

Appropriate correction is required.

Claim Objections

3. Claims 1-9 are objected to because of the following informalities: in claim 1, lines 10 and 11, the amendment is unclear. The language "captured by said inner core tetrahedral member" is unclear as lines 6 and 7 define an inner core of tetrahedral members.

In claim 1, lines 19 and 20 are indefinite as they recite "consisting only of said second set without interfering with said tetrahedral members". It is unclear which "tetrahedral members" are being referenced. The claim defines an inner core of tetrahedral members and a third set of tetrahedral members. It appears that applicant intends the "inner core of tetrahedral members" as the third set includes the tetrahedral members themselves. Appropriate correction is required.

Allowable Subject Matter

4. Claims 1-9 read over the prior art of record. Insofar as claim 1 may be understood, it appears to read over the prior art of record. The claim recites a third set of members that have a portion extending radially inwardly that is captured by a portion of the components consisting only of the second set. Hewlett, Jr. teaches a third set of members, however, the members are retained by the tetrahedral members and the second set of octahedral components. The instant specification discloses that this particular construction provides a more robust arrangement that is less susceptible to damage and provides a superior locking relationship.

Conclusion

5. This application is in condition for allowance except for the above formal matters. Prosecution on the merits is closed in accordance with the practice under *Ex parte*Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Wong whose telephone number is 571-272-4416. The examiner can normally be reached on Monday through Wednesday 7am-5:30pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Vidovich can be reached on 571-272-4415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner Art Unit 3711

SBW July 19, 2005